



Non-Touch Thermometer



Model 2220

Instruction Manual

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NOTICE

Temperature readings obtained are for reference *only*.

Before taking any medical action, please consult your physician.

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Product Overview

Utilizing infrared technology, this thermometer takes temperatures in seconds by measuring heat generated by the surface skin of the forehead or other objects. Advantages include:

Ergonomic design and convenience

This is a “Non-Contact” medical thermometer. The Non-Contact design increases the ability to maintain a clean environment. Readings are obtained by moving the thermometer close to the subject’s forehead or an object at the distance indicated by the device.

Instant measurement and accuracy

Accurate temperature readings are provided within a few seconds.

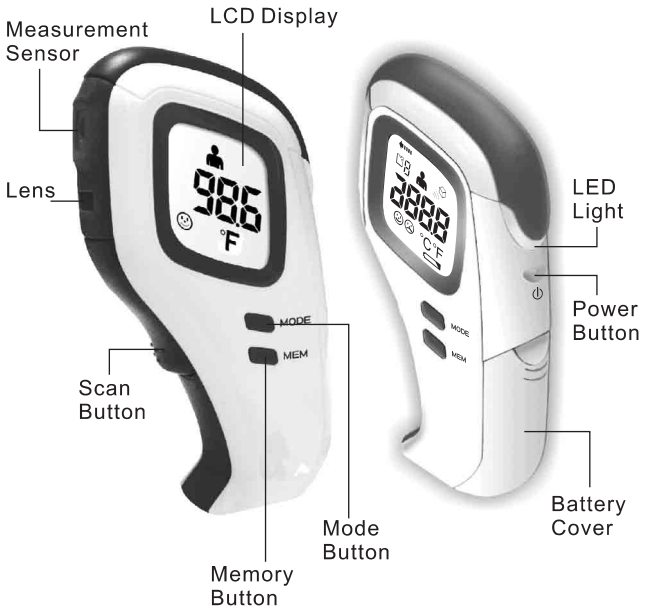
Easy-to-read display

Equipped with a large LCD (Liquid Crystal Display), results are easy to read.

Battery-operated

When the device will not be used for a prolonged period of time, remove all batteries from the device. Dispose of batteries in accordance with local environmental and institutional policies.

Product Description



Items Included:

1. Thermometer
2. 2x AAA batteries
3. Instruction manual
4. Storage bag

Meanings of the Symbols



Degrees of temperature



Scanning sequences in progress



Smiling face (indicating temperature is lower than 38°C or 100.4°F)



Frowning face (indicating temperature is equal or higher than 38°C or 100.4°F)



Celsius Scale



Fahrenheit Scale



Forehead Scan Mode



Object Scan Mode



Low battery warning




Memory Symbol and sets of records

Battery Installation

Low battery warning:

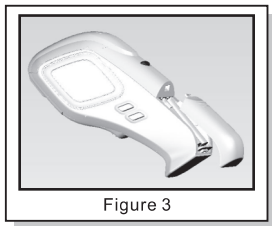
When the “low battery warning” symbol appears on the display, it means the batteries will need to be replaced soon (see Figure 1).

The thermometer still operates properly until both symbols of “Lo” and “” are shown on the display.



Battery installation:

1. Gently slide the battery cover downward to open it (see Figure 3).
2. Remove the old batteries and discard them safely and properly.
3. Insert two new AAA alkaline batteries, taking care to insert them in the correct position as indicated.
4. Gently slide the battery cover back into position.



Measuring Temperature

Toggle between forehead scan mode and object scan mode by pressing, holding momentarily, and releasing the MODE button.

Taking a temperature reading from the forehead:

- Press the POWER button and hold it for one second to turn the device on. Release it, and the system will power up, which includes a self test. During this period the device will momentarily display all symbols on the LCD (see Figure 4).
- Press and hold the SCAN button and aim the thermometer at the patient's forehead, maintaining a distance of 6 cm ~ 8 cm ($2\frac{3}{8}" \sim 3\frac{1}{8}"$) between the Non-Touch Thermometer and the patient's forehead. You will hear a continuous beeping sound, accompanied by a flashing LED. Release the SCAN button; you will hear a short beep. *Do not move the thermometer away from the forehead until you hear the beep.* Moving the thermometer away from the forehead before hearing the beep may result in an inaccurate temperature reading. Please note: you will not hear a continuous beeping sound unless the thermometer is the correct distance from the forehead (see Figure 5). Results will display on the LCD.



Figure 4

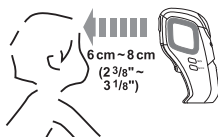


Figure 5

Measuring Temperature

Taking a temperature reading from an object:

- Press the POWER button to turn the device on.
- Press the MODE button for one second. Ensure the unit is in Object Scan mode (this is shown on the LCD).
- Press and hold the SCAN button, while aiming at the desired object. Neither a beep sound nor a flashing LED will occur while in Object Scan mode. For best results, maintain a distance of 6 cm ~ 8 cm ($2\frac{3}{8}" \sim 3\frac{1}{8}"$) between the object and the Non-Touch Thermometer (see Figure 6).
- Release the SCAN button and withdraw the thermometer. Results will display on the LCD.

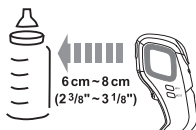


Figure 6

Measuring Temperature

- While in the forehead mode, a smiling face “☺” will display to indicate a temperature lower than 38°C (100.4°F). If the temperature is equal to or higher than 38°C (100.4°F), you will see a frowning face “☹” on the display, accompanied by one long beep followed by two short beeps (see Figures 7 and 8).
- The LCD displays “Lo” or “Hi” when the temperature measured is outside the thermometer’s sensory range (see Figures 9 and 10).
- “Err” appears if the operating temperature is outside the permissible range of 16°C to 35°C (60.8°F to 95°F) (see Figure 11).
- After one minute without use, the device automatically powers itself off to conserve battery life.



Figure 7



Figure 8



Figure 9



Figure 10



Figure 11

Switching Between Celsius and Fahrenheit

When the Non-Touch Thermometer is in “power on” status, press and hold both the MEM and MODE buttons for 3 seconds to toggle between the two measurement standards (F and C) (see Figures 12 and 13).



Figure 12



Figure 13

Memory Button Functions

1. Memory recall: In “Power on” status, press the Memory button to recall the historical data.
2. Clear memory: In “Power on” status, press the Memory button for 3 seconds to clear all data. The memory index will be zero.

Operating Precautions

- Do not disassemble the thermometer.
- Use the thermometer for its intended purpose only.
- Do not expose the thermometer to extreme temperatures or high humidity.
- Hold the device carefully when in use to avoid dropping.
- Avoid direct finger contact with the Measurement Sensor and Lens.
- During normal use, do not contact the Measurement Sensor during temperature measurement.

Storage and Cleaning

Lens / Measurement Sensor:

Gently clean with an alcohol swab. Do not use water to wash the thermometer lens directly.

Thermometer:

Clean with a soft, dry cloth. Do not use water to rinse the device.

Key Rules for Accurate Temperature Measurement

- Avoid measuring body temperature within 30 minutes after exercise, bathing, or returning from outdoors.
- Allow one minute between successive measurements, as slight variations may occur if measurements are taken over too short a period of time.
- There are no absolute body temperature standards. Keep reliable records of your personal temperature to serve as a reference for judging a fever.
- Measurements taken are for reference only; consult a physician before taking medical action.

Troubleshooting

1. Consistent low temperature readings
 - Ensure the device is being used correctly (see page 7, “Measuring Temperature”).
 - The Measurement Sensor or Lens may be dirty and require cleaning. Clean gently and thoroughly with an alcohol swab. (see page 11, “Storage and Cleaning”).
 - Be aware that the Non-Touch Thermometer may register lower readings when the object or patient’s forehead is damp, wet or perspiring.
2. Low battery warning
 - When battery power is too low, the device will not operate properly. Replace the batteries as needed.

Note: Contact your authorized GF Health Products, Inc. representative with any technical problems or queries.

Applied Standards

This product conforms to the provisions of the EC directive MDD (93/42/EEC). The following standards apply to design and/or manufacturing:

- ASTM E 1965- 98
Standard Specification for Infrared Thermometers for Intermittent Determination of Patient Temperature
- EN 980: 2003
Graphical symbols for use in the labeling of medical devices
- IEC / EN 60601-1
Medical electrical equipment
Part 1: General requirements for safety
- IEC / EN 60601-1-2
Medical electrical equipment
Part 2: Collateral standard:
Electromagnetic compatibility –
Requirements and tests
- ISO 14971
Medical devices – Application of risk management to medical devices
- Classification according to IEC / EN 60601-1:
 - Internally powered equipment
 - IPX0
 - NOT suitable for use in the presence of a flammable anesthetic mixture
 - Continuous operation

Product Specifications

- **Measuring Temperature Range:**
Human Body: 10°C ~ 50°C (50.0°F ~ 122.0°F)
Object: 0°C ~ 100°C (32.0°F ~ 212.0°F)
- **Measuring accuracy:**
Human Body: $\pm 0.3^{\circ}\text{C}$ ($\pm 0.5^{\circ}\text{F}$)
Object: $\pm 5\%$
- **Display resolution:** 0.1°C or °F
- **Operation distance:** 6 cm ~ 8 cm (2 3/8" ~ 3 1/8")
- **Memory function:** 10 sets memory capacity
- **Power saving:** Auto power off after one minute without use
- **Warning indication:** "low battery" symbol, and "Lo" / "Hi" symbol indicating out of measuring range
- **Operating environment:**
16°C ~ 35°C (60.8°F ~ 95°F) with humidity up to 95% RH (non-condensing)
- **Storage / Transportation environment:**
-25°C ~ 55°C (-13°F ~ 131°F) with humidity up to 95% RH (non-condensing)
- **Battery:** Two 1.5V alkaline AAA size (3V DC)
- **Dimensions (L x W x H):** 134.5 mm x 84.8 mm x 31.7 mm (5.30" x 3.39" x 1.25")
- **Weight (with batteries):** 121 g (.27 lb)



Attention, consult
accompanying
documents



Type BF equipment



0197



EMC Tables

Guidance and manufacturer's declaration-electromagnetic emissions- for all EQUIPMENT and SYSTEMS

Guidance and manufacturer's declaration-electromagnetic emissions		
<p>The 2220 Thermometer is intended for use in the electromagnetic environment specified below. The customer or the user of the 2220 Thermometer should assure that it is used in such an environment.</p>		
Emissions test	Compliance	Electromagnetic environment-guidance
RF emissions CISPR 11	Group 1	<p>The 2220 Thermometer uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.</p> <p>The 2220 Thermometer complies with RF standards.</p>
RF emissions CISPR 11	Class B	
Harmonic emissions IEC 61000-3-2	Not applicable	
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Not applicable	


EMC Tables

Guidance and manufacturer's declaration-electromagnetic immunity- for all EQUIPMENT and SYSTEMS

Guidance and manufacturer's declaration-electromagnetic immunity			
The 2220 Thermometer is intended for use in the electromagnetic environment specified below. The customer or the user of the 2220 Thermometer should assure that it is used in such an environment.			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment-guidance
Electrostatic discharge (ESD) IEC 61000-4-2	± 6 kV contact ± 8 kV air	± 6 kV contact ± 8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.
Electrical fast transient/burst IEC 61000-4-4	± 2 kV for power supply lines ± 1 kV for input/output lines	Not applicable	Power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	± 1 kV differential mode ± 2 kV common mode	Not applicable	Power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	<5 % UT (>95 % dip in UT) for 0,5 cycle 40 % UT (60 % dip in UT) for 5 cycles 70 % UT (30 % dip in UT) for 25 cycles <5 % UT (>95 % dip in UT) for 5 sec	Not applicable	Power quality should be that of a typical commercial or hospital environment. If the user of the 2220 Thermometer requires continued operation during power interruptions, it is recommended that the 2220 Thermometer be powered from an uninterruptible power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NOTE U_T is the a.c. mains voltage prior to application of the test level.			

EMC Tables

Guidance and manufacturer's declaration-electromagnetic immunity- for EQUIPMENT and SYSTEMS that are not LIFE-SUPPORTING

Guidance and manufacturer's declaration-electromagnetic immunity			
The 2220 Thermometer is intended for use in the electromagnetic environment specified below. The customer or the user of the 2220 Thermometer should assure that it is used in such an environment.			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment-guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 Vrms	Portable and mobile RF communications equipment should be used no closer to any part of the 2220 Thermometer , including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance. $d=1.2\sqrt{P}$
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2,5 GHz	3 V/m	
			$d=1.2\sqrt{P}$ 80 MHz to 800 MHz $d=2.3\sqrt{P}$ 800 MHz to 2.5 GHz where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, ^a should be less than the compliance level in each frequency range. ^b Interference may occur in the vicinity of equipment marked with the following symbol: 
NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.			
NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.			
^a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretic call with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the 2220 Thermometer is used exceeds the applicable RF compliance level above, the 2220 Thermometer should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the 2220 Thermometer .			
^b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than [V1] V/m.			

EMC Tables

Recommended separation distances between portable and mobile RF communications equipment and the EQUIPMENT or SYSTEM- for EQUIPMENT and SYSTEMS that are not LIFE-SUPPORTING

Recommended separation distances between portable and mobile RF communications equipment and the 2220 Thermometer

The **2220 Thermometer** is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the **2220 Thermometer** can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the **2220 Thermometer** as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $d=1.2\sqrt{P}$	80 MHz to 800 MHz $d=1.2\sqrt{P}$	800 MHz to 2.5 GHz $d=2.3\sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

Warranty

GF Health products, Inc. (“Graham-Field”) warrants the Lumiscope 2220 Non-Touch Thermometer against manufacturer’s defects for a period of one year. If a product is deemed to be under warranty, GF Health Products, Inc. shall provide, at its option, (1) replacement of any defective part or product or (2) a credit of the original selling price made to GF Health Products, Inc.’s initial customer. The warranty does not include any labor charges incurred in replacement part(s) installation or any associated freight or shipping charges to GF Health Products, Inc.

The warranties contained herein contain all the representations and warranties with respect to the subject matter of this document, and supersede all prior negotiations, agreements and understandings with respect thereto. The recipient of this document hereby acknowledges and represents that it has not relied on any representation, assertion, guarantee, warranty, collateral contract or other assurance, except those set out in this document.

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LUMISCOPE®

For The Quality Of Life™



No Tocar Termómetro



Modelo 2220

Manual de Instrucciones

2220-INS-LAB-RevB10

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AVISO

Las medidas de temperatura obtenidos son *sólo* de referencia. Antes de tomar cualquier acción médica, consulte a su médico. Envases, garantías, productos y especificaciones están sujetas a cambios sin previo aviso. GF Health Products, Inc. no es responsable por errores tipográficos.

Graham-Field y Lumiscope son marcas registradas de GF Health Products, Inc.

Descripción del Producto

Utilizando la tecnología de infrarrojos, este termómetro toma la temperatura en segundos mediante el calor de la cabeza generado por la superficie de la piel de la frente o en otros objetos. Las ventajas incluyen:

El diseño ergonómico y la comodidad

Se trata de un “sin contacto” termómetro médico. El diseño de contacto no aumenta la capacidad de mantener un medio ambiente limpio. Las medidas se obtienen moviendo el termómetro cerca de la frente del sujeto o del objeto a la distancia indicada por el aparato.

La medición instantánea y precisión

Lecturas de la temperatura exacta en un plazo de unos pocos segundos.

Fácil de Leer

Equipado con una gran pantalla LCD (Liquid Crystal Display, o Pantalla de Cristal Líquido), los resultados son fáciles de leer.

Funciona con baterías

Cuando el aparato no se utiliza durante un período prolongado de tiempo, quite todas las baterías del aparato. Deshágase de las baterías de acuerdo con las políticas ambientales locales e institucionales.

Panorama



Elementos incluidos:

1. Termómetro
2. 2 baterías AAA
3. Manual de instrucciones
4. Bolsa de almacenamiento

Significados de los Símbolos



Grados de temperatura



Las secuencias de exploración en curso



La cara sonriente (que indica la temperatura es inferior a 38°C o 100.4°F)



El ceño fruncido (que indica la temperatura es igual o superior a 38°C o 100.4°F)



Escala Celsius



Escala Fahrenheit



Modo "frente" de escaneo



Modo "objeto" de escaneo



Aviso de batería baja



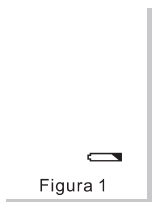
Símbolo de memoria y de conjuntos de registros

Instalación de las Baterías

Aviso de batería baja:

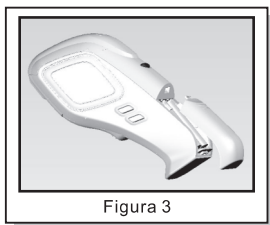
Cuando el “aviso de batería baja” símbolo aparece en la pantalla, significa que las baterías deben ser reemplazados antes (vea Figura 1).

El termómetro sigue funcionando correctamente hasta que los dos símbolos de “Lo” y “” se muestran en la pantalla.



Instalación de las baterías:

1. Deslice suavemente la cubierta de la batería hacia abajo para abrirla (vea figura 3).
2. Retire las baterías antiguas y desechar de forma segura y adecuada.
3. Inserte dos baterías alcalinas AAA nuevas, teniendo cuidado de insertar en la posición correcta como se indica.
4. Deslice suavemente la cubierta de batería en su posición.



Medición de la Temperatura

Alternar entre la frente y el modo de escaneo de objetos pulsando el modo de exploración, explotación momentáneamente, y soltar el botón de modo.

Tomar una medida de la temperatura de la frente:

- Presione el botón de encendido y mantenerlo durante un segundo para encender el aparato. Liberación, y el sistema de energía, lo cual incluye una prueba de uno mismo. Durante este período el aparato momentáneamente se mostrarán todos los símbolos en la pantalla LCD (vea figura 4).
- Mantenga pulsado el botón de escaneo y el objetivo del termómetro en la frente del paciente, manteniendo una distancia de 6 cm ~ 8 cm ($2\frac{3}{8}" \sim 3\frac{1}{8}"$) entre la No Tocar Termómetro y la frente del paciente. Usted escuchará un pitido continuo, acompañado de un LED que parpadea. Suelte el botón de escaneo, se oye un pitido corto. *No mueva el termómetro de la frente hasta oír el pitido.* Mover el termómetro de la frente antes de escuchar el sonido puede resultar en una medida de la temperatura incorrecta. Atención: no se oye un pitido continuo a menos que el termómetro es la distancia correcta de la frente (vea la Figura 5). Los resultados se mostrarán en la pantalla.



Figura 4

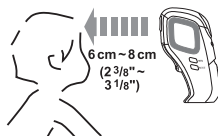


Figura 5

Medición de la Temperatura

Tomar una medida de la temperatura de un objeto:

- Presione el botón de encendido para encender el aparato.
- Presione el botón de modo durante un segundo. Asegúrese de que la unidad está en modo de escaneo de objetos (esto se muestra en la pantalla LCD).
- Mantenga pulsado el botón de escaneo, al tiempo que persigue el objeto deseado. Ni un sonido, ni un LED intermitente se producirá mientras que en el modo de exploración de objetos. Para mejores resultados, mantener una distancia de 6 cm ~ 8 cm ($2\frac{3}{8}" \sim 3\frac{1}{8}"$) entre el objeto y la No Tocar Termómetro (véase la Figura 6).
- Suelte el botón de escaneo y retirar el termómetro. Los resultados se mostrarán en la pantalla.

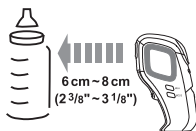


Figura 6

Medición de la Temperatura

- Mientras que en el modo de frente, una cara sonriente “☺” aparecerá para indicar una temperatura inferior a 38°C (100.4°F). Si la temperatura es igual o superior a 38°C (100.4°F), podrás ver una cara con el ceño fruncido “☹” en la pantalla, acompañada de un pitido largo seguido de dos tonos cortos (vea Figuras 7 y 8).
- El LCD muestra “Lo” o “Hi” cuando la temperatura está fuera del rango sensorial del termómetro (vea Figuras 9 y 10).
- “Err” aparece si la temperatura está fuera del rango permisible de 16°C a 35°C (60.8°F a 95°F) (vea Figura 11).
- Después de un minuto sin usar, el aparato se apagada automáticamente para ahorrar la vida de la batería.



Figura 7



Figura 8



Figura 9



Figura 10



Figura 11

Cambiar entre Grados Celsius y Fahrenheit

Cuando la No Tocar Termómetro está en el estado “encendido”, pulse y mantenga pulsado los dos botones de memoria y modo durante 3 segundos para alternar entre las dos normas de medición (F y C) (vea Figuras 12 y 13).



Figura 12



Figura 13

Funciones de los Botones de Memoria

1. Recuperación de la memoria: En el estado “encendido”, pulse el botón de memoria para recordar los datos históricos.
2. Borrar memoria: en el estado “encendido”, pulse el botón de memoria durante 3 segundos para borrar todos los datos. El índice de la memoria será cero.

Precauciones de Funcionamiento

- No desarme el termómetro.
- Use el termómetro para los fines previstos solamente.
- No exponga el termómetro a temperaturas extremas o humedad alta.
- Mantenga el aparato con cuidado cuando en uso para evitar que se caiga.
- Evite el contacto directo con el dedo el sensor de medición y el lente.
- Durante el uso normal, no toque el sensor de medición durante la medición de la temperatura.

Almacenamiento y Limpieza

Lente / Medición del Sensor:

Limpie suavemente con un algodón empapado en alcohol. No use agua para lavar la lente del termómetro directamente.

Termómetro:

Limpie con un paño suave y seco. No use agua para enjuagar el aparato.

Reglamentos Claves de Medición Exacta de Temperatura

- Evite la medición de la temperatura corporal dentro de los 30 minutos después del ejercicio, bañarse, o que regresan desde el exterior.
- Permita un minuto entre mediciones sucesivas, ya que pequeñas variaciones pueden ocurrir si se toman medidas en un período muy corto de tiempo.
- No hay normas temperatura absoluta del cuerpo. Mantenga un registro confiable de la temperatura de su personal para servir como referencia para juzgar la fiebre.
- Medidas adoptadas son sólo de referencia; consulte a un médico antes de tomar la acción médica.

Solución de Problemas

1. Medidas constantes de la temperatura baja
 - Asegúrese de que el aparato se utiliza correctamente (véase la página 7, “Medición de Temperatura”).
 - El sensor de medición o la lente puede estar sucia y que requieren de limpieza. Limpie suavemente y por completo con un algodón empapado en alcohol (véase la página 11, “Almacenamiento y Limpieza”).
 - Tenga en cuenta que la No Tocar Termómetro puede registrar las medidas más bajas cuando el objeto o la frente del paciente es húmedo, mojado o de sudar.
2. Advertencia de batería baja
 - Cuando la energía de la batería es demasiado bajo, el aparato no funcionará correctamente. Reemplace las baterías cuando sea necesario.

Nota: Contacte a su representante autorizado de GF Health Products, Inc. con cualquier problema técnico o preguntas.

Las Normas Aplicadas

Este producto cumple con las disposiciones de la directiva de la CE MDD (93/42/CEE). Las normas siguientes se aplican al diseño y / o de fabricación:

- ASTM E 1965 / 98
Especificación estándar para termómetros de infrarrojos para la determinación intermitente de Temperatura Paciente
- EN 980: 2003
Símbolos gráficos utilizados en el etiquetado de los productos sanitarios
- IEC / EN 60601-1
Equipos electromédicos
Parte 1: Requisitos generales de seguridad
- IEC / EN 60601-1-2
Equipos electromédicos
Parte 2: Norma colateral:
Compatibilidad electromagnética --
Requisitos y ensayos
- ISO 14971
Productos sanitarios - Aplicación de la gestión de riesgos a los productos sanitarios
- Clasificación según IEC / EN 60601-1:
 - Internamente el equipo alimentado
 - IPX0
 - No es adecuado para uso en la presencia de un mezcla anestésica inflamable
 - Funcionamiento continuo

Especificaciones del Producto

- **Medición de Temperatura:**

El cuerpo humano: 10°C ~ 50°C (50.0°F ~ 122.0°F)

Objeto: 0°C ~ 100°C (32.0°F ~ 212.0°F)

- **Precisión de medición:**

El cuerpo humano: $\pm 0.3^{\circ}\text{C}$ ($\pm 0.5^{\circ}\text{F}$)

Objeto: $\pm 5\%$

- **Resolución de pantalla:** 0.1°C o °F

- **Distancia de operación:** 6 cm ~ 8 cm (2 3/8" ~ 3 1/8")

- **Función de memoria:** 10 juegos la capacidad de memoria

- **Ahorro de energía:** Apagado automático después de un minuto sin uso

- **Indicador de advertencia:** "batería baja" símbolo, y "Lo" / "Hi", el símbolo que indica fuera del rango de medición

- **Ambiente de operación:**

Temperatura: 16°C ~ 35°C (60.8°F ~ 95°F)

Humedad: < 95% HR (sin condensación)

- **Ambiente de almacenamiento y transporte:**

Temperatura: -25°C ~ 55°C (-13°F ~ 131°F)

Humedad: < 95% HR (sin condensación)

- **Batería:** Dos 1.5V tipo AAA (3V CD)

- **Dimensiones (largo x ancho x alto):** 134.5 mm x 84.8 mm x 31.7 mm (5.30" x 3.39" x 1.25")

- **Peso (con baterías):** 121 g (.27 lb)



Atención, consulte
los documentos
adjuntos



Equipo Tipo BF



0197



Tablas de EMC

Por favor, consulte el Manual de Instrucciones Inglés para ver las Tablas de EMC.

Garantía

GF Health Products, Inc. ("Graham-Field") garantiza que el Lumiscope 2220 No Tocar Termómetro contra defectos de fabricación durante un período de un año. Si un producto se considere bajo garantía, GF Health Products, Inc. proporcionará, a su opción, (1) sustitución de cualquier componente o producto defectuoso o (2) un crédito por el precio de venta original hecha a la cliente inicial de GF Health Products, Inc. La garantía no incluye la mano de obra gastos generados por el componente de repuesto de instalación o de cualquier de flete o gastos de envío para Productos GF Health, Inc.

Las garantías que figuran en este documento contiene todas las declaraciones y garantías en relación con la materia objeto de este documento, y sustituyen todas las negociaciones previas, acuerdos y entendimientos con respecto a la misma. El receptor del presente documento reconoce y declara que no ha basado en ninguna declaración, afirmación, garantía, contrato de garantía u otra promesa, excepto los establecidos en este documento.

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